(d) if so, what steps Government propose to take to reduce the power charges in various States including NCT; and

(e) if not, the reasons therefor?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA): (a) and (b) According to the Report of Planning Commission on the Working of the SEBs the average cost of payment for purchase of power from various sources by State utilities for the year 2001-02 was estimated to be Rs. 1.94 per kwh and average tariff for sale of electricity was Rs. 2.40 per kwh.

(c) to (e) Consumer tariffs are being decided by State Regulatory Commissions in accordance with provisions of the Electricity Act, 2003 and after hearing the views of all the stake-holders including generating companies/utilities and consumers in transparent manner.

Generation of power from different sources

1663. SHRI M.V. RAJASEKHARAN: Will the Minister of POWER be pleased to state:

(a) the total power generated from different sources in the country, State-wise, year-wise from 1999-2003;

(b) the total power consumed in the country, State-wise and year-wise;

(c) the States which have more power shortages; and

(d) the steps taken by the Ministry of Power to meet these power shortages?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA): (a) The details of State-wise/Year-wise electricity generation in the country from 1999-2000 to 2002-2003 are given in the Statement I *(See* below*)*.

(b) The details of State-wise power consumed by the ultimate consumers in the country for the years 1999-2000 to 2001-02 are given in the Statement II *(See* below*)*.

(c) The details of State-wise/Year-wise power supply position in the country from 1999-2000 to 2002-03 are given in the Statement III *(See* below*)*.

(d) Electricity is a concurrent subject. Supply and distribution of electricity in a State is the responsibility of the State Government/State Power Utility concerned. Central Government only supplements the efforts of the State Governments by setting up of power plants through Central Power Sector Undertakings (CPSUs) in Central Sector and providing allocations from Central Generating Stations in the region. However, following assistance is being provided by the Government to improve the power supply in the country:—.

(i) Tenth Plan capacity addition of around 41,110 MW has been targeted in the Sectors (State+Private+Central) out of which 22,832 MW is in the Central Sector.

(ii) Additional allocation from unallocated quota of Central Sector Stations in the Region/outside the Region.

(iii) Enhancement of Inter regional/Inter-State power transfers from surplus to deficit region by augmenting/strengthening inter-regional transmission links leading to formation of National Grid.

(iv) Renovation and Modernization (R and M), uprating and life extension (LE) of existing old and ineffieicent generating units. Power Finance Corporation (PFC) provides financial assistance for R and M and LE works at lower rate of interest.

(v) Funds are being provided for strengthening/augmentation of sub-transmission and distribution system of States under Accelerated Power Development and Reforms Programme (APDRP) for reduction aggregate Transmission and commercial losses.

Statement-I

STATE-WISE GROSS POWER GENERATION (TH+NU+HY)

(All figures are in MU)

States	1999-2000 Act. Gen.	2000-01 Act. Gen.	2001-02 Act. Gen.	2002-03 Act. Gen.
Delhi Th	7555	7981	7952	8780
Delhi Total	7555	7981	7952	8780
J and K Th	0	5	0	58

States	1999-2000 Act. Gen.	2000-01 Act. Gen.	2001-02 Act. Gen.	2002-03 Act. Gen.
J and K Hy	5810	5279	5558	5925
J and K Total	5810	5284	5558	5983
Himachal Hy.	8845	8604	8374	8735
Himachal Total	8845	8604	8374	8735
Haryana Th.	4858	5841	7943	8664
Haryana Hy.	242	244	232	244
Haryana Total	5100	6085	8175	8908
Rajasthan Th.	11373	12741	13772	16761
Rajasthan Nu.	2202	3578	4674	5047
Rajasthan Hy.	995	376	542	83
Rajasthan Total	14570	16695	18988	21861
Punjab Th.	13837	14458	14695	13850
Punjab Hy.	10190	8887	9171	10040
Punjab Total	24027	23345	23886	23890
U.P. Th.	64096	67489	69425	68788
U.P. Nu.	3138	2088	3332	3595
U.P. Hy.	5679	5736	2030	1454
U.P. Total	72913	72615	74787	73837
Uttaranchal Hy.	—	3648	3326	3770
Uttaranchal Total	—	3648	3326	3770
Gujarat Th.	41938	42208	40589	44035
Gujarat Nu.	3395	3504	3570	3659
Gujarat Hy.	1039	439	287	587
Gujarat Total	46372	46151	44446	48281
Maharashtra Th.	56670	56330	57910	57231
Maharashtra Nu.	2171	2409	2503	2544
Maharashtra Hy.	5422	4813	4906	5372
Maharashtra Total	64263	63552	65319	65147
MP Th.	45829	27475	28113	31481
MP Hy.	2462	1587	2211	1857
MP Total	48291	29062	30324	33338
Chhattisgarh Th.	—	23395	24348	24058
Chhattisgarh Hy.	—	233	392	247
Chhattisgarh Total	—	23628	24740	24305
AP Th.	43348	44232	45057	53048

States	1999-2000 Act. Gen.	2000-01 Act. Gen.	2001-02 Act. Gen.	2002-03 Act. Gen.
AP Hy.	8668	7729	6115	3665
AP Total	52066	51961	51172	56713
Karnataka Th.	8651	10745	12193	13576
Karnataka Nu.	128	1886	2997	3317
Karnataka Hy.	12151	10892	9661	7212
Karnataka Total	20930	23523	24851	24105
Kerala Th.	1833	2878	2083	3232
Kerala Hy.	7066	6221	6791	4860
Kerala Total	8899	9099	8874	8092
Tamil Nadu Th.	33859	35731	38829	42185
Tamil Nadu Nu.	2233	2513	2244	1073
Tamil Nadu Hy.	4467	5441	4350	2728
Tamil Nadu total	40559	43685	45423	45986
Pondicherry Th.	132	233	250	265
Pondicherry Total	132	233	250	265
Bihar Th.	11747	5542	5186	5526
Bihar Hy.	418	49	58	59
Bihar Total	12165	5591	5244	5585
Jharkhand Th.	—	6470	6358	6813
Jharkhand Hy.	—	247	248	234
Jharkhand Total	—	6717	6606	7047
Orissa Th.	11900	11573	12234	12482
Orissa Hy.	4553	4612	6456	3153
Orissa Total	16443	16185	18690	15635
West Bengal Th.	26499	29851	31970	35151
West Bengal Hy.	626	576	583	651
West Bengal Total	27125	30427	32853	35802
Sikkim Hy.	37	325	383	390
Sikkim Total	37	325	383	390
A and N Islands	0	0	0	0
A and N Islands Total	0	0	0	0
Assam Th.	2019	2293	2308	1909
Assam Hy.	580	595	549	847
Assam Total	2599	2888	2857	2756
Meghalaya Hy.	807	889	794	822

States	1999-2000 Act. Gen.	2000-01 Act. Gen.	2001-02 Act. Gen.	2002-03 Act. Gen.
Meghalaya Total	807	889	794	822
Tripura Th.	614	668	776	845
Tripura Hy.	61	70	68	56
Tripura Total	675	738	844	901
Manipur Th.	0	0	0	0
Manipur Hy.	506	551	569	553
Manipur Total	506	551	569	553
Nagaland Hy.	0	73	141	121
Nagaland Total	0	73	141	121
Arunachal Pradesh Hy.	14	13	41	199
Arunachal Pradesh Total	14	13	41	199
Mizoram Th.	0	0	0	0
Mizoram Total	0	0	0	0
Total Thermal	386787	408139	421987	448538
Total Nuclear	13267	16928	19320	19235
Total Hydro	80628	74481	73940	63834
All India Total	480682	499548	515247	531607

Statement II

State-wise Total Energy Consumption by Ultimate Consumers

(All figures are in MU)

State/U.T.s	1999-2000	2000-01	2001-02
Haryana	9597.74	10051.01	10534.76
Himachal Pradesh	2188.05	2213.87	2351.86
Jammu and Kashmir	2652.68	2867.45	2992.03
Punjab	21194.29	19440.91	20008.88
Rajasthan	16338.85	16793.65	13586.66
Uttar Pradesh	23469.39	25743.05	25230.22
Uttaranchal	[A]	[A]	2182.65
Chandigarh	722.62	721.00	747.81
Delhi	8879.20	9539.20	9798.50
Sub-Total [NR]	85042.82	87370.14	87433.37
Gujarat	33048.90	33621.47	33769.44

State/U.T.s	1999-2000	2000-01	2001-02
Madhya Pradesh	23297.68	18479.91	15409.30
Chhattisgarh	[B]	[B]	5300.50
Maharashtra	48900.01	47188.18	46330.71
Goa	1000.31	1077.11	1245.35
Daman and Diu	549.35	635.60	739.66
D. & N. Haveli	652.35	726.00	800.00
Sub-Total [WR]	107449.08	101728.27	102694.96
Andhra Pradesh	26220.97	27105.10	31481.59
Karnataka	16663.40	18550.18	19840.02
Kerala	9730.33	10254.16	8622.39
Tamil Nadu	31056.15	34265.11	35922.93
Pondicherry	1239.70	1402.70	1562.87
Lakshadweep	17.12	17.38	17.43
Sub-Total [SR]	84927.67	91594.63	97447.23
Bihar	11423.28	11459.63	2904.43
Jharkhand	[C]	[C]	6778.14
Orissa	5679.00	6080.00	5773.16
West Bengal	15072.25	14961.75	16003.37
A and N Islands	83.55	89.11	91.15
Sikkim	105.81	103.15	123.32
Sub-Total [ER]	32363.99	32693.64	31673.37
Assam	1808.98	1911.19	1817.98
Manipur	173.05	176.94	168.72
Meghalaya	386.44	417.19	550.72
Nagaland	138.20	165.46	117.24
Tripura	356.13	303.00	348.00
Arunachal Pradesh	80.95	102.35	75.16
Mizoram	113.77	136.80	132.38
Sub-Total [NER]	3057.52	3212.93	3210.20
Total [All India]	312841.08	316599.61	322459.33

Note: A = Included under Uttar Pradesh

B = Included under Madhya Pradesh

C = Included under Bihar

Statement III

State-wise/year-wise power supply position in the country from 1999-2000 to 2002-03

(All figures in MU)

	1999-2000				2000-01				2001-02				2002-03			
STATE/ SYSTEM	Reqt.	Avail	Shortage surplus/ Deficit	%	Reqt.	Avail	Shortage surplus/ Deficit	%	Reqt	Avail	Shortage Surplus/ Deficit	%	Reqt	Avail	Shortage Surplus/ Deficit	%
NORTHERN																
Chandigarh	1033	1032	-1	-0.1	1072	1068	-4	-0.4	1110	1108	-2	-0.2	1146	1141	-5	-0.4
Delhi	17635	17141	-494	-2.8	18575	17667	-908	-4.9	19350	18741	-609	-3.1	19946	19567	-379	-1.9
Haryana	15950	15578	-372	-2.3	17275	16793	-482	-2.8	18136	17839	-299	-1.6	20298	19688	-610	-3.0
H.P	3125	3115	-10	-0.3	3190	3087	-103	-3.2	3293	3206	-87	-2.6	3427	3341	-86	-2.5
J&K	6065	4903	-1162	-19.2	6410	5361	-1049	-16.4	6635	5899	-736	-11.1	7243	6327	-916	-12.6
Punjab	26335	26164	-171	-0.6	27670	26923	-747	-2.7	28780	27577	-1203	-4.2	30082	28313	-1769	-5.9
Rajasthan	25155	24024	-1131	-4.5	25080	24178	-902	-3.6	24745	24495	-250	-1.0	25917	25382	-535	-2.1
U.P.	44525	38800	-5725	-12.9	46295	39656	-6739	-14.6	48332	43545	-4787	-9.9	44777	36789	-7988	-17.8
Uttaranchal					0	0	0	0.0	0	0	0	0.0	3774	3670	-104	-2.8
N.R	139823	130743	-9080	-6.5	145567	134633	-10934	-7.5	150383	142410	-7973	-5.3	156610	144218	-12392	-7.9
WESTERN																
Chhattisgarh					0	0	0	0	8054	7825	-229	-2.8	9868	9561	-307	-3.1
Gujarat	51202	46994	-4208	-8.2	53038	47877	-5161	-9.7	53693	47530	-6163	-11.5	60175	53316	-6859	-11.4
M.P.	37198	34543	-2655	-7.1	39644	34747	-4897	-12.4	31013	26233	-4780	-15.4	31705	26493	-5212	-16.4
Maharashtra	73498	69002	-4496	-6.1	79527	71184	-8343	-10.5	80489	73438	-7051	-8.8	87152	75472	-11680	-13.4
Goa	1806	1414	-392	-21.7	1766	1576	-190	-10.8	1767	0	0.0		1845	1845	0	0.0
W.R.	163704	151953	-11751	-7.2	173975	155384	-18591	-10.7	175016	156793	-18223	-10.4	190745	166687	-24058	-12.6
SOUTHERN																
A.P	45635	42632	-3003	6.6	47792	44055	-3737	-7.8	48394	44302	-4092	-8.5	47256	44049	-3209	-6.8
Karnataka	28201	25851	-2350	-8.3	30242	27490	-2752	-9.1	32556	28493	-4063	-12.5	32249	29084	-3165	-9.8
Kerala	12850	11908	-942	-7.3	13564	12670	-894	-6.6	13334	12349	-985	-7.4	13628	12693	-935	-6.9
Tamilnadu	38873	35797	-3076	-7.9	42702	39462	-3240	-7.6	46232	42951	-3281	-7.1	46262	43476	-2786	-6.0
Pondicherry					0	0	0	0.0	0	0	0	0.0	1228	1228	0	0.0
S.R.	125759	116388	-9371	-7.5	134300	123677	-10623	-7.9	140516	128095	-12421	-8.8	140625	130530	-10095	-7.2

State-wise/year-wise power supply position in the country from 1999-2000 to 2002-03

(All figures in MU)

	1999-2000				2000-01				2001-02				2002-03			
STATE/ SYSTEM	Reqt.	Avail.	Shortage surplus/ Deficit	%	Reqt.	Avail	Shortage surplus/ Deficit	%	Reqt.	Avail	Shortage Surplus/ Deficit	%	Reqt.	Avail.	Shortage Surplus/ Deficit	%
EASTERN																
Bihar	8912	8348	-564	-6.3	9208	8563	-645	-7.0	9370	8992	-378	-4.0	8096	7422	-674	-8.3
D.V.C.	8464	8668	204	2.4	8368	8510	142	1.7	8319	8312	-7	-0.7	8284	8184	-100	-1.2
Jharkhand					0	0	0	0.0	0	0	0	0.0	1329	1318	-11	-0.8
Orissa	10838	11143	305	2.8	11710	12070	360	3.1	12328	12318	-10	-0.1	13393	13087	-306	-2.3
W.Bengal	17951	18298	347	1.9	18787	18958	171	0.9	20670	20575	-9.5	00.5	20551	20249	-302	-1.5
E.R.	46165	45457	292	0.6	48073	48100	27	0.1	50687	50197	-490	-1.0	51653	50260	-1393	-2.7
N.E.REGION																
Ar. Pradesh	119.8	120.7	0.9	0.8	127.7	130.1	2.4	1.9	136.3	-1.7	-1.2	162.4	162.4	-161.4	-1	-0.6
Assam	2868.3	2918.4	50.1	1.7	3092.9	3332.8	239.9	7.8	3450.5	3425.2	-25.3	-0.7	3458	3349	-109	-3.2
Manipur	470.5	451.2	-19.3	-4.1	463.9	453.4	-10.5	-2.3	456.5	440.6	-15.9	-3.5	487.4	483.4	-4	-0.8
Meghalaya	514.1	540.8	26.7	5.2	564.9	605.2	41.3	7.3	700.1	705	4.9	0.7	949.2	947.2	-2	-0.2
Mizoram	220.8	223.9	3.1	1.4	249.7	265.5	6.8	2.7	284.5	278.5	-6	-2.1	294.7	292.7	-2	-0.7
Nagaland	205.6	207.8	2.2	1.1	226	231.9	5.9	2.6	260.1	258.4	-1.7	-0.7	290.1	289.1	-1	-0.3
Tripura	579.9	590.1	10.2	1.8	574	596.4	22.4	3.9	647.1	612.6	-34.5	-5.3	708.3	672.3	-36	-5.1
N.E.R.	4979	5052.9	73.9	1.5	5298.1	5606.3	308.2	5.8	5935.1	5854.9	-80.2	6350.1	-1.4	6195.1	-155	-2.4
All-India	460430	460594	-29836	-6.2	507216	467400	-39816	-7.8	522537	483350	-39187	-7.5	545983.1	-497890.1	-48093	-8.8

NOTE: U.P. includes Uttaranchal (2000-01 & 2001-02), M.P. includes Chhattisgarh (2000-01) and Bihar includes Jharkhand (2000-01 & 2001-02)

State-wise/year-wise power supply position in the country from 1999-2000 to 2002-03

(All figures in MU)

	1999-2000				2000-01				2001-02				2002-03			
STATE/ SYSTEM	Perk Dem.	Dem. Met	Shortage surplus/ Deficit	%	Peak Dem.	Dem. Met	Shortage surplus/ Deficit	%	Perak Dem.	Dem. Meet	Shortage Surplus/ Deficit	%	Peak Dem.	Dem. Met	Shortage Surplus/ Deficit	%
NORTHERN																
Chandigarh	180	180	0	0.0	171	171	0	0.0	180	180	0	0.0	206	206	0	0
Delhi	2850	2498	-352	-12.4	3080	2670	-410	-13.3	3118	2879	-239	-7.7	3417	3101	-316	-9.2
Haryana	2527	2527	0	0.0	2800	2709	-91	-3.3	3000	2900	-100	-3.3	3411	3325	-86	-2.5
H.P.	618	618	0	0.0	585	585	0	0.0	582	582	0	0.0	770	770	0	0.0
J & K.	1201	1004	-206	-17.0	1170	974	-196	-16.8	1209	999	-210	-17.4	1250	1060	-190	-15.2
Punjab	5029	5029	0	0.0	5004	4904	-100	-2.0	5420	4936	-484	-8.9	5849	5455	-394	-6.7
Rajasthan	3672	3672	0	0.0	3755	3663	-92	-2.5	3700	3657	-43	-1.2	3880	3820	-60	-1.5
U.P.	6580	5058	-1522	-23.1	7200	6119	-1081	-15.0	7584	6887	-697	-9.2	6700	5750	-950	-14.2
Uttaranchal	-	-	-	-	0	0	0	0.0	0	0	0	0.0	771	705	-66	-8.6
N.R.	20980	18882	-2098	-10.0	21740	19880	-1860	-8.6	23200	21346	-1854	-8.0	24092	21889	-2203	-9.1
WESTERN																
Chhattisgarh					0	0	0	0	1357	1311	-4.6	-3.4	1548	1492	-5.8	-3.6
Gujarat	7554	5982	-1592	-21.1	7801	6905	-896	-11.5	8005	6700	-1305	-16.3	8641	7336	-1305	-15.1
M.P.	6836	4808	-2028	-29.7	7111	5310	-1801	-25.3	5883	4457	-1226	-21.6	5869	4157	-1712	-29.2
Maharashtra	12075	9747	-2328	-19.3	12535	10596	-1939	-15.5	12265	10726	-1539	-12.5	13697	10984	-2713	-19.8
Goa	260	234	-26	-10.0	296	257	-29	-9.8	316	316	0	0.0	296	296	0	0.0
W.R.	24864	20333	-4531	-18.2	25614	20710	-4904	-19.1	28510	22024	-4486	-16.9	29877	22853	-5824	-20.3
SOUTHERN																
A.P.	7209	6366	-843	-11.7	8000	6835	-1165	-14.6	8584	6873	-1711	-19.9	8491	6858	-1633	-19.2
Karnataka	4591	3881	-710	-15.5	5037	4371	-666	-13.2	5339	4429	-910	-17.0	6198	4805	-1393	-22.5
Kerala	2386	2169	-217	-9.1	2456	2331	-125	-5.1	2633	2189	-444	-16.9	2803	2347	-456	-3.3
Tamil Nadu	6446	5640	-806	-12.5	7131	6038	-1093	-15.3	7158	6218	-940	-13.1	7364	7123	-241	-3.3
Pondicherry													187	187	0	0.0
S.R.	20424	17632	-2592	-12.7	21929	18777	-3152	-14.4	22757	19201	-3556	-15.6	22419	20428	-1991	-8.9

State-wise/year-wise power supply position in the country from 1999-2000 to 2002-03

(All figures in MU)

	1999-2000				2000-01				2001-02				2002-03			
STATE/ SYSTEM	Peak Dem	Dem. Met	Shortage surplus/ Deficit	%	Peak Dem.	Dem Met.	Shortage surplus/ Deficit	%	Peak Dem.	Dem Met	Shortage Surplus/ Deficit	%	Peak Dem.	Dem. Met	Shortage Surplus/ Deficit	%
EASTERN																
Bihar	1430	1201	-229	-16.0	1470	1263	-207	-14.1	1409	1288	-121	-8.6	1389	1325	-64	-4.6
D.V.C	1276	1276	0	0.0	1366	1390	24	1.8	1296	1209	-87	-6.7	1236	1176	-6.0	-4.9
Jharkhand													488	474	-14	-2.9
Orissa	1909	1809	-100	-5.2	1952	1994	42	2.2	2132	1977	-155	-7.3	2125	1988	-137	-6.4
W.Bengal	3217	3010	-207	-6.4	3594	3426	-168	-4.7	3614	3414	-200	-5.5	3752	3418	-334	-8.9
E.R.	7370	7012	-358	-4.9	7727	7490	-237	-3.1	7940	7648	-292	-3.7	8076	7676	-400	-5.0
N.E.REGION																
Ar.Pradesh	48	45	-3	-6.3	49	49	0	0.0	50	50	0	0.0	45	45	0	0.0
Assam	565	556	-9	-1.6	584	579	-5	-0.9	688	618	-70	-10.2	668	589	-79	-11.8
Manipur	99	95	-4	-4.0	92	89	-3	-3.3	98	94	-4	-4.1	101	101	0	0.0
Meghalaya	124	126	2	1.6	129	0	0.0	165	160	-5	-3.0	189	189	0	0.0	
Mizoram	64	64	0	0.0	74	72	-2	-2.7	75	73	-2	-2.7	74	74	0	0.0
Nagaland	49	48	-1	-2.0	52	52	0	0.0	61	58	-3	-4.9	78	78	0	0.0
Tripura	126	98	-28	-22.2	136	135	-1	-0.7	156	140	-16	-10.3	182	156	-26	-14.3
N.E.R.	969	902	-27	-2.8	1027	1043	16	1.6	1148	1043	-105	-9.1	1209	1135	-74	-6.1
All India	72669	63891	-8978	-12.4	74872	65628	-9244	-12.3	78441	69189	-9252	-11.8	81492	71547	-9945	-12.2

NOTE: U.P includes Uttaranchal (2000-01 & 2001-02), M.P includes Chhattisgarh (2000-01) and Bihar includes Jharkhand (2000-01 & 2001-02).